

San Diego APCD
Emissions Inventory Request Form Instructions

ETHYLENE OXIDE STERILIZATION

Please refer to the general instructions for guidance regarding the following sections: Reporting Year, Facility Identification, Permit Information, Device Information, Stack / Ducted Emissions and Fugitive Release Emissions.

MATERIAL/ PROCESS INFORMATION

Fill in all the data fields. Complete all blanks using the specified units. Use a separate form to report each material used for each device. Copy the blank form as needed to report each material used. On forms with pre-printed process information from a previously submitted inventory, asterisks (*) highlight data fields that must be updated.

Sterilant Name: The sterilant gas may be comprised of 100% ethylene oxide (EtO), or EtO mixed with a diluent gas. Please provide the name of the sterilant gas used at this facility.

Sterilant Manufacturer: Please provide the name of the manufacturer of the gas used.

Annual Gas Usage (lbs/yr): Report the total number of pounds of sterilant gas used.

Gas Usage per Load (lbs/load): Report the pounds of sterilant gas used for one load.

Loads per Year (loads/yr): Report the number of the loads conducted by each sterilizer during the reporting year.

Material Information – Ethylene Oxide (wt %): Report the weight percent of the EtO in the sterilant gas.

Material Information – Diluent Gas Name: Provide the name of the diluent gas(es) in the sterilant gas (i.e., carbon dioxide, chlorofluorocarbons, etc.).

Material Information – Diluent Gas (wt %): Report the weight percent of the diluent gas in the sterilant gas.

Device Operating Schedule:

Daily Operation (hours/day): Report the average amount of hours the device operates in a typical day.

Weekly Operation (days/week): Report the average number of days the device operates in a typical week.

Annual Operation (days/year): Report the number of days the device operated during the Reporting Year.

POLLUTANT NAME (lbs emitted/lb sterilant used)

The District uses mass balance to determine the emissions factors in most cases. Control devices are assumed to meet Rule 1203 control efficiency requirements. Site-specific emission factors must incorporate the device control efficiency, be reported in units of pounds of pollutant released per pound of sterilant gas used, and include supporting documentation.

